

Claims

- [c1] A drip cover for a vertically mounted motor having an upper portion, an upper bearing and a base comprising: a cover having an inner surface and a circumference; a cylindrical skirt extending axially from the circumference of the cover to surround the upper portion of the motor;
- a cup formed on the inner surface of the cover concentrically with the skirt and sized to hold and protect the upper bearing of the motor, and
- a downwardly facing electrical connector attached to the inner surface of the cover within the cylindrical skirt and outside the motor, the cover being mounted on and spaced from the upper portion of the motor.
- [c2] The drip cover of claim 1 wherein the cover has a convex shape.
- [c3] The drip cover of claim 1 wherein the cover has a diameter greater than the diameter of the motor.
- [c4] The drip cover of claim 1 wherein the cover is mounted on and spaced from the upper portion of the motor by a plurality of bosses mounted on the inner surface of the

cover and formed concentrically within the skirt on a circle having the same diameter as the motor.

[c5] The drip cover of claim 4 wherein the plurality of bosses have ends opposite the inside surface of the cover, the ends being cut to form a rabbet surface that cooperates with the upper portion of the motor to support the cover spaced from the upper portion of the motor.

[c6] The drip cover of claim 5 wherein the cover is mounted on and spaced from the upper portion of the motor by a plurality of bosses and fasteners having sufficient length to attach the cover and motor to the base.

[c7] The drip cover of claim 6 wherein the fasteners are selected from the group consisting of bolts and screws.

[c8] The drip cover of claim 1 wherein the cover is removably mounted on and spaced from the upper portion of the motor.

[c9] The drip cover of claim 8 wherein the cover is removably mounted on and spaced from the upper portion of the motor by a plurality of bosses mounted on the inner surface of the cover and formed concentrically within the skirt on a circle having the same diameter as the motor and fasteners having sufficient length to attach the cover and motor to the base.

- [c10] The drip cover of claim 9 wherein the plurality of bosses have ends opposite the inside surface of the cover, the ends being cut to form a rabbet surface that cooperates with the upper portion of the motor to support the cover spaced from the upper portion of the motor.
- [c11] The drip cover of claim 1 wherein the cover is formed from a material selected from the group consisting of plastic, aluminum and iron.
- [c12] The drip cover of claim 11 wherein the cover is formed from plastic.
- [c13] The drip cover of claim 1 wherein the circumference of the cover has a shape selected from the group consisting of shapes that are generally round, shapes that are generally round with lobes or expansion areas extending radially outwardly from the generally round portion of the shape and shapes that are non-symmetrical in the shape of the letter D and similar letters.
- [c14] A drip cover for a vertically mounted motor having an upper portion and an upper bearing mounted on a base, the drip cover comprising:
a cover having a convex shape having an inner surface, a circumference and a diameter greater than the diameter of the motor;

a cylindrical skirt extending axially from the circumference of the cover to surround the upper portion of the motor;

a cup formed on the inner surface of the cover concentrically with the skirt and sized to hold and protect the upper bearing of the motor; and

a downwardly facing electrical connector attached to the inner surface of the cover within the cylindrical skirt and outside the motor, the cover being mounted on and spaced from the upper portion of the motor by a plurality of bosses mounted on the inner surface of the cover and formed concentrically within the skirt on a circle having the same diameter as the motor.

[c15] The drip cover of claim 14 wherein the plurality of bosses have ends opposite the inside surface of the cover, the ends being cut to form a rabbet surface that cooperates with the upper portion of the motor to support the cover spaced from the upper portion of the motor.

[c16] The drip cover of claim 14 wherein the cover is formed from a material selected from the group consisting of plastic, aluminum and iron.

[c17] The drip cover of claim 16 wherein the cover is formed from plastic.

- [c18] The drip cover of claim 14 wherein the circumference of the cover has a shape selected from the group consisting of shapes that are generally round, shapes that are generally round with lobes or expansion areas extending radially outwardly from the generally round portion of the shape and shapes that are non-symmetrical in the shape of the letter D and similar letters.
- [c19] The drip cover of claim 14 wherein the cover is mounted on and spaced from the upper portion of the motor by a plurality of bosses and fasteners having sufficient length to attach the cover and motor to the base.
- [c20] The drip cover of claim 19 wherein the fasteners are selected from the group consisting of bolts and screws.
- [c21] The drip cover of claim 14 wherein the cover is removably mounted on and spaced from the upper portion of the motor.
- [c22] A drip cover for a floor polisher having a motor, an upper portion, an upper bearing and a base comprising: a cover having an inner surface and a circumference, a cylindrical skirt extending axially from the circumference of the cover to surround the upper portion of the motor; a cup formed on the inner surface of the cover concentrically with skirt and sized to hold and protect the upper

bearing of the motor; and
a downwardly facing electrical connector attached to the inner surface of the cover within the cylindrical skirt and outside the motor, the cover being mounted on and spaced from the upper portion of the motor.

- [c23] The drip cover of claim 22 wherein the cover has a convex shape.
- [c24] The drip cover of claim 22 wherein the cover has a diameter greater than the diameter of the motor.
- [c25] The drip cover of claim 22 wherein the cover is mounted on and spaced from the upper portion of the motor by a plurality of bosses mounted on the inner surface of the cover and formed concentrically within the skirt on a circle having the same diameter as the motor, the plurality of bosses having ends opposite the inside surface of the cover, the ends being cut to form a rabbet surface that cooperates with the upper portion of the motor to support the cover spaced from the upper portion of the motor and fasteners having sufficient length to attach the cover and motor to the base.
- [c26] The drip cover of claim 25 wherein the fasteners are selected from the group consisting of bolts and screws.
- [c27] The drip cover of claim 22 wherein the cover is remov-

ably mounted on and spaced from the upper portion of the motor.

- [c28] The drip cover of claim 27 wherein the cover is removably mounted on and spaced from the upper portion of the motor by a plurality of bosses mounted on the inner surface of the cover and formed concentrically within the skirt on a circle having the same diameter as the motor and fasteners having sufficient length to attach the cover and motor to the motor base.
- [c29] The drip cover of claim 28 wherein the fasteners are selected from the group consisting of bolts and screws.
- [c30] The drip cover of claim 22 wherein the cover is formed from a material selected from the group consisting of plastic, aluminum and iron.
- [c31] The drip cover of claim 30 wherein the cover is formed from plastic.
- [c32] The drip cover of claim 31 wherein the circumference of the cover has a shape selected from the group consisting of shapes that are generally round, shapes that are generally round with lobes or expansion areas extending radially outwardly from the generally round portion of the shape and shapes that are non-symmetrical in the shape of the letter D and similar letters.

[c33] A drip cover for a floor polisher having a motor, an upper portion and an upper bearing mounted on a base, the drip cover comprising:
a cover having a convex shape having an inner surface;
a circumference and a diameter greater than the diameter of the motor;
a cylindrical skirt extending axially from the circumference of the cover to surround the upper portion of the motor;
a cup formed on the inner surface of the cover concentrically with the skirt and sized to hold and protect the upper bearing of the motor; and
a downwardly facing electrical connector attached to the inner surface of the cover within the cylindrical skirt and outside the motor, the cover being mounted on and spaced from the upper portion of the motor by a plurality of bosses mounted on the inner surface of the cover and formed concentrically within the skirt on a circle having the same diameter as the motor.

[c34] The drip cover of claim 33 wherein the plurality of bosses have ends opposite the inside surface of the cover, the ends being cut to form a rabbet surface that cooperates with the upper portion of the motor to support the cover spaced from the upper portion of the motor.

- [c35] The drip cover of claim 33 wherein the cover is formed from a material selected from the group consisting of plastic, aluminum and iron.
- [c36] The drip cover of claim 33 wherein the cover is formed from plastic.
- [c37] The drip cover of claim 33 wherein the circumference of the cover has a shape selected from the group consisting of shapes that are generally round, shapes that are generally round with lobes or expansion areas extending radially outwardly from the generally round portion of the shape and shapes that are non-symmetrical in the shape of the letter D and similar letters.